# Zac Delventhal

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Full stack engineer with nine years of experience in web development and additional contributions to open source, mobile, games, and blockchain. Proven success as an individual contributor, tech lead, ambassador, and instructor.

## Skills

- *Languages:* TypeScript, JavaScript, Python, Rust, Clojure
- *Frontend:* React, React Native, Svelte, Angular, Om
- *Infrastructure:* AWS, GCP, Docker, Sovrin, Hyperledger
- *Tools:* Git, Bash, Cypress, Jest, OpenAPI
- *Backend:* Node, Express, SQL, GraphQL, Flask
- *Soft Skills:* Peer mentoring, teaching, documentation

## Experience

*Federal Reserve Bank of Minneapolis* | Senior Software Engineer — May 2022 – Present — Minneapolis, MN
Tech: TypeScript, React, Node, AWS, Cypress, Jest
- Drove adoption of high precision numbers beyond JavaScript's default 15 significant figures
- Overhauled existing loose types to encode complex domain logic directly in type definitions

*Prime Digital Academy* |  Part-time Instructor — Mar 2023 – Oct 2023 — Minneapolis, MN
Tech: JavaScript, React, Node, Jest, SQL
- Introduced the use of automated tests to guide students and speed grading

*Cargill* | Senior Software Engineer — Oct 2021 – May 2022 — Minneapolis, MN
Tech: JavaScript, Svelte, GraphQL, Apollo, Node, AWS, Bash
- Addressed long-standing load issues, improving Largest Contentful Paint by 10x with custom pre-fetch routine

*Galvanize* | Lead Enterprise Instructor — Dec 2020 – Aug 2021 — Remote
Tech: JavaScript, Solidity, Sawtooth, Node, Mocha, Chai, Docker

*Unveil.Social* | Lead Developer — Apr 2019 – Nov 2020 — Minneapolis, MN
Tech: JavaScript, React Native, Redux, Redux Saga, GCP, Sovrin
- Led small international team in development of unique peer-to-peer mobile dating app

*Best Buy* | Full Stack Developer IV — May 2019 – Oct 2019 — Richfield, MN
Tech: TypeScript, React Native Web, Node, Groovy, Redux, RxJava, Jest
- Coordinated dozens of APIs across Best Buy's heterogenous ecosystem in languages like Node, Groovy, and Swift

*Thrivent* | Application Engineer — Aug 2018 – May 2019 — Minneapolis, MN
Tech: TypeScript, Angular, Node, AWS, DynamoDB, RxJS, Serverless
- Led adoption of RESTful standards for new "Term IV" API, improving usability and predictability

*ReBootKamp* | Lead Instructor — Aug 2018 — Amman, Jordan
Tech: Hyperledger Sawtooth, Ethereum

*Bitwise IO* | Senior Software Engineer — Jun 2016 – Aug 2018 — Minneapolis, MN
Tech: JavaScript, Python, Rust, Clojure, Node, MongoDB, Docker
- Core maintainer and ambassador for Hyperledger, focusing on REST API design and developer education

## Projects

*Taelmoor* | Designer, Mobile Developer — taelmoor.com
Tech: TypeScript, React Native, Expo, Express, SQL

*Hyperledger Grid* | Architect, Lead Engineer — github.com/hyperledger/grid
Tech: Python, Rust, JavaScript

## Education

*Hack Reactor* | Advanced Software Engineering Immersive — Feb 2016

*Central Connecticut State University* | BFA in Acting — Mar 2008